

Application/Control No. 10/690, 473

Art Unit: 3683

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Reply to an Office communication concerning this application June 19, 2006

### **Amendment to the Detailed Description of the Invention:**

This listing of detailed description of the invention at Fig. 3.B. , Fig. 3. B. will be newly written Because some drawing is added.

**Altogether 25 sheets of paper, 6 sheets of drawing**

**AMENDMENT – Page 14**

## Detailed Description of the Invention

Fig. 1. Shows how to work for air bleeding automatically.

Like this method can be used for any other field.

Fig. 2A. shows half auto air bleeding cylinder. How to work is like these, at first, select 18 which wheel cylinder we want to do air bleeding, and pushes step on the brake pedal a few times, and release the brake pedal, the air gather together near 8 head. And then pushes 4 and keep going on pushing down, 6 is working and 13 is withdrawaled from 12. Right this time pushes step on the brake pedal, 12 and 14 goes up in spite of 17, 15, 16 pressure and 8 come down and the air with the brake oil bursting come out from 9 and then release the brake pedal and release 4. 12 and 14 is coming down by 17, 15, 16 and after 12 is right back at that position, 12 is locked by 13. At this time 13 is moving by 7, and 12 is locked by 13. And this is a one time air bleeding work accomplished. And so we can do a few times repeat, the air bleeding work is done.

From the beginning of the air bleeding work, brake master cylinder cover should be opened and be filled with brake oil enough and should be checked not to be exhausted.

Fig. 2B. shows how to work 20 and working 6. If we need air bleeding from right rear wheel, we can select and can do air bleeding work. If we want to see 6 is working, select 18 which wheel we need air bleeding and push down 4.

6 is working, and it makes that 13 is withdrawled from 12.

## Detailed Description of the Invention

Fig.2.C. shows that 25=13 easy way come inside 24=12, the cause is 26=5, and 24 is easy way locked and opened by 25.

Fig. 3.A. shows different type of Fig.2.A. How to work is like these, at first, pushes step on the brake pedal a few times and select 34 which wheel we have to do air bleeding. And keep going on pushing 32, and 27 moves left side because of electric magnetic field and 37 is opened and then again pushes step on the brake pedal a few times the air and oil bursting come from 33. And then change electric magnetic pole changing minus to plus by 34, it makes 27 goes back right at that position, and release brake pedal and release 32. 37 is closed and 33 is closed. And pushes step on the brake pedal a few times and holding step on the brake pedal properly and press 32 and keep going on pressing, it makes 27 move left side for opening 37 hole and 33. As soon as press 32, 27 moves left side, 37 hole and 33 hole is opened, and then air and oil bursting come out from 37 through 33 hole, because holding step on the brake pedal. In spite of holding step on the brake pedal 27 moves left side because electric magnetic field is strong enough. And then change electric magnetic pole changing minus to plus by 34, it makes 27 goes back right at that position, 37 is closed and 33 is closed. And release 32, and release brake pedal. So half auto air bleeding work is accomplished. And then repeat this work a few times, half auto air bleeding work is perfect finish.

## Detailed description of the Invention

Fig. 3.B. shows a little bit different type of Fig. 3.A. , using those different elements is added. How to work is like these, at first, pushes step on the brake pedal a few times and holding step on the brake pedal properly and lifts up 41 in spite of 47, 39 pressure, 40 moves left side and, the air and oil bursting come out from 43 to 44 and a little bit lift up 41 and push down 42 and absolutely down 41 and then by 47, 39 and 40 goes back right at that position. This is a one time air bleeding accomplished and repeat a few times, the air bleeding work is accomplished. (CANCELLED).

Fig. 3.B. shows a little bit different type of Fig. 3.A. , using those different elements is added. How to work is like these, at first, pushes step on the brake pedal a few times and holding step on the pedal properly ( by the free gap brake pedal ), and No. 60 which we want to do air bleeding wheel cylinder, shifting to the 61 groove and lifts up 41 in spite of spring pressure and piston rod 40 moves left side and, pushes step on the brake pedal 4-5 times, some time 6-7 times and, the air and oil bursting come out from 43 to 44, holding brake pedal, and a little bit lift up 41 and push down 42 and absolutely down 41 and then by 57, 39 return spring, 40 goes back right at that position this is a one time air bleeding accomplished, some occasion one time is successful air bleeding work but some occasion repeat 2-3 times, and then the air bleeding work is accomplished, at this during time master cylinder should be filled. (New).